



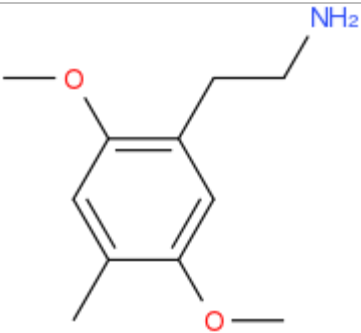
ANALYTICAL REPORT

2C-D (C₁₁H₁₇N₂O₂)

1-(2,5-Dimethoxy-4-methylphenyl)-2-aminoethane

Remark – other NPS detected: **none**

Sample ID:	1112-14A
Sample description:	powder - white
Sample type:	RM-reference material
Comments:	THC PHARM LoT# AK07002
Date of entry:	9/22/2014 report updated (typo errors corrected)28th May 2018

Substance identified-structure ⁱ (base form)	
Systematic name	1-(2,5-Dimethoxy-4-methylphenyl)-2-aminoethane
Other names	
Formula (per base form)	C ₁₁ H ₁₇ N ₂ O ₂
M _w (g/mol) per base form	195,26
Salt form	HCl
Smiles	COc1=C(C=C(C(=C1)C)OC)CCN
Compound Class	Phenethylamines
Other NPS detected	none
Add.info (purity..)	99,90%

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Supporting information

Analytical technique:	applied	remarks
GC-MS (EI ionization)	+	NFL GC-RT (min): 4,56 BP(1): 166; BP(2): 151 ,BP(3) : 135,
FTIR-ATR	+	
FTIR (condensed phase) always as base form		pending

GC-MS (Agilent): GC-method is RT locked to tetracosane (RT=9.53 min). Injection volume 1 ml and split mode (1:50) for GC-MS instruments and 1:5 for GC-MS-FTIR(condensed phase). Injector temperature: 280 °C. Column: HP1-MS (100% dimethylpolysiloxane), length 30 m, internal diameter 0.25 mm, film thickness 0.25 mm. Carrier gas He: flow-rate 1.2 ml/min. GC oven program: 170 °C for 1 min, followed by heating up to 293 °C at a rate of 18 °C/min, hold for 6.1 min, then heating at 50 °C/min up to 325 °C and finally 2.8 min isothermal. MSD source EI = 70 eV. GC-MS transfer line T= 235°C, source and quadropole temperatures 280°C and 180°C. m/z scan range: from 50 (40) to 550 amu.

FTIR-ATR (Perkin Elmer): scan range 4000-400 cm⁻¹; resolution 4cm⁻¹

FTIR (Spectra analyses-Danny): scan range 4000 to 700, resolution 4cm⁻¹

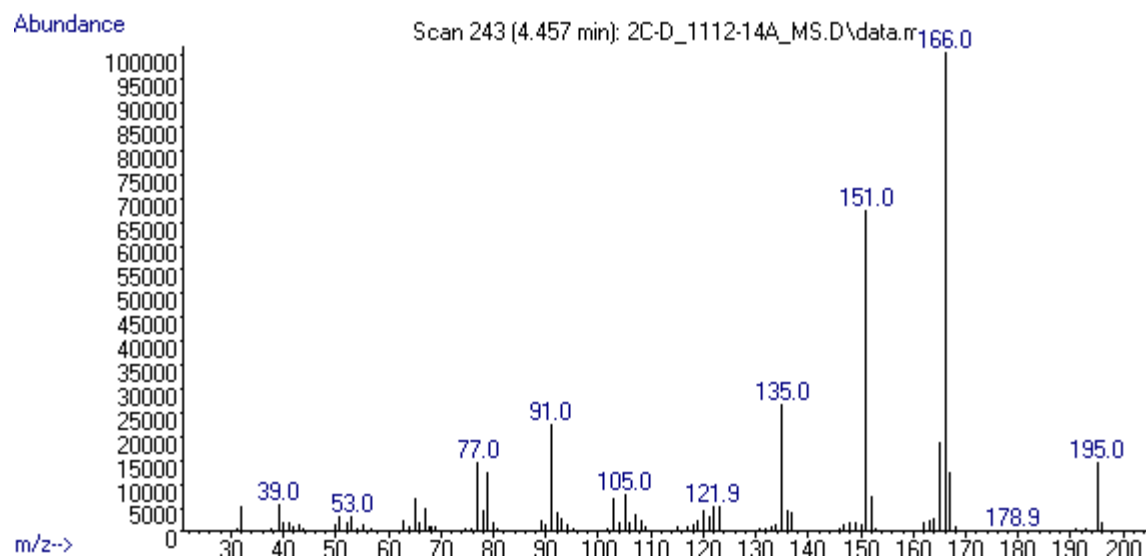


Figure 1: GC-MS spectrum

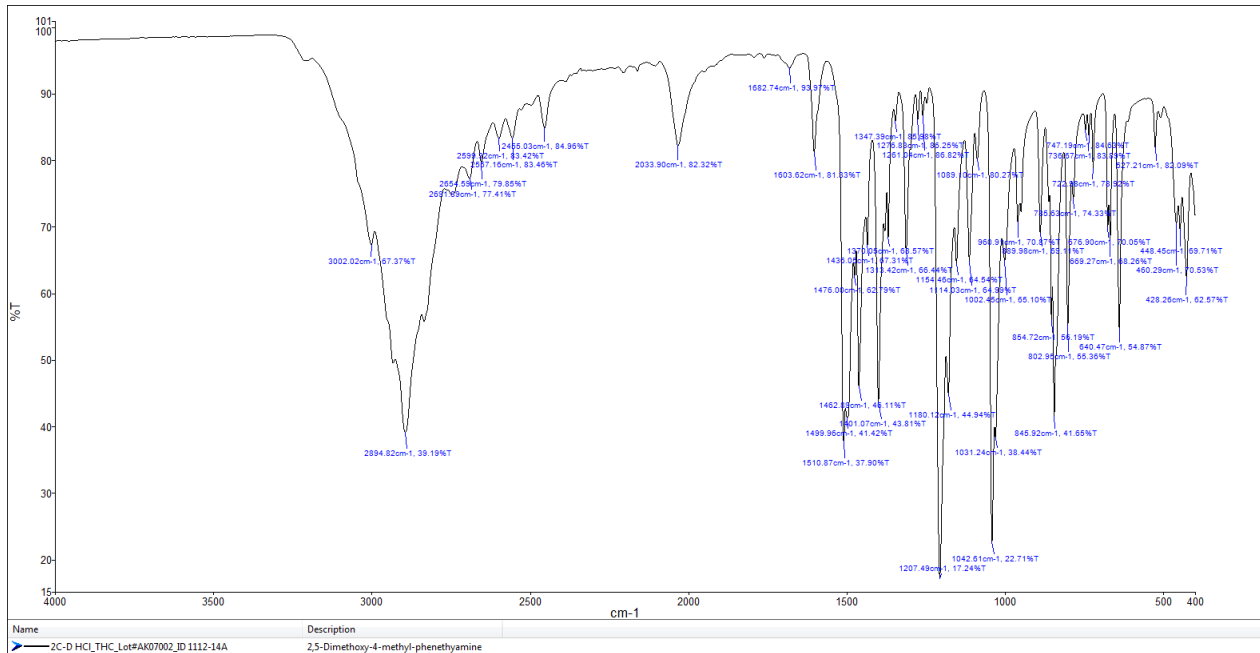


Figure 2: FTIR ATR

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